

ABSTRACT OF THE DISCLOSURE

NON-COHERENT DP-MOK RECEPTION PROCESS WITH COMBINATION
OF MULTIPLE PATHS AND CORRESPONDING RECEIVER

Process for non coherent DP-MOK reception with combination of multiple paths and corresponding receiver.

According to the invention, demodulation of
5 orthogonal signals (MOK) is combined with a differential phase demodulation (DP) and diversity processing related to multiple paths in the radiofrequency channel. Diversity processing is achieved making use of differential demodulation by
10 calculating a weighting factor, this factor then being used in the MOK part (before selecting and switching) and in the DP part to correct the calculated energy.

Applications for digital transmissions.

15 Figure 7.